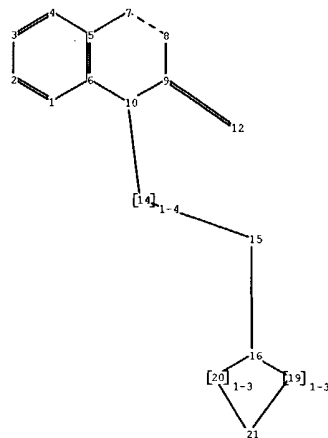
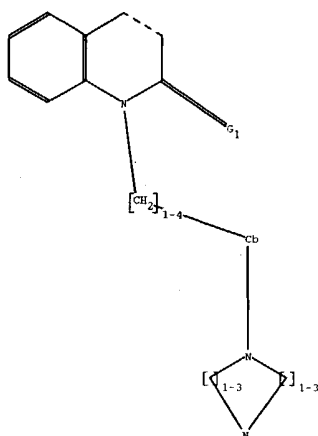


C:\stnweb\Queries\4.str



```

chain nodes :
  12 14 15
ring nodes :
  1 2 3 4 5 6 7 8 9 10 16 19 20 21
chain bonds :
  9-12 10-14 14-15 15-16
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-19 16-20 19-21 20-21
exact/norm bonds :
  5-7 6-10 7-8 8-9 9-10 9-12 16-19 16-20 19-21 20-21
exact bonds :
  10-14 14-15 15-16
normalized bonds :
  1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
  containing 1 :

```

G1:O,S

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 12:CLASS
14:CLASS 15:Atom 16:Atom 19:Atom 20:Atom 21:Atom

```

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<u>NEWS INTER</u>		General Internet Information
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

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ENTRY

TOTAL

SESSION

FULL ESTIMATED COST 0.21 0.21

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 DICTIONARY FILE UPDATES: 13 SEP 2004 HIGHEST RN 744170-41-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

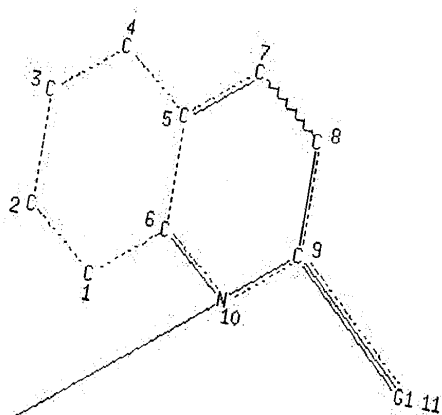
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
 L1 STRUCTURE UPLOADED

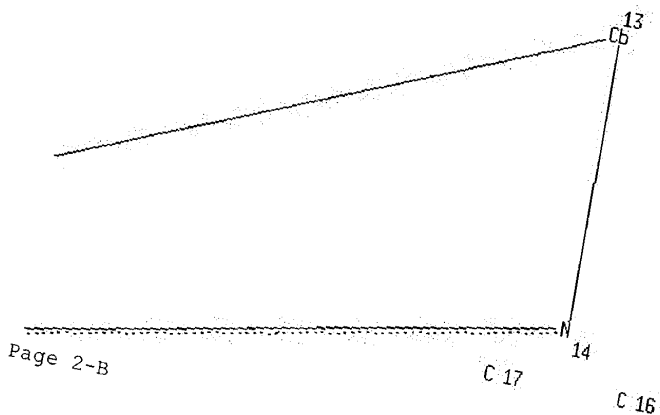
=> d l1
 L1 HAS NO ANSWERS
 L1 STR
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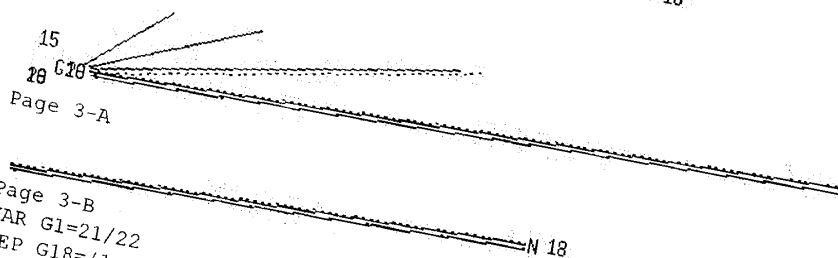
Page 1-B

12 C 112

Page 2-A



Page 2-B



Page 3-A

Page 3-B

VAR G1=21/22

REP G18=(1-3) 17-14 17-18

REP G19=(1-3) 16-14 16-18

REP G20=(1-4) 12-10 12-13

NODE ATTRIBUTES:

HCOUNT IS M2

NSPEC IS R AT 12

NSPEC IS R AT 1

NSPEC IS R AT 2

NSPEC IS R AT 3

NSPEC IS R AT 4

NSPEC IS R AT 5

NSPEC IS R AT 6

NSPEC IS R AT 7

NSPEC IS R AT 8

NSPEC IS R AT 9

NSPEC IS C AT 10

NSPEC IS C AT 11

NSPEC IS C AT 12

NSPEC IS R AT 13

NSPEC IS C AT 14

NSPEC IS R AT 15

NSPEC IS R AT 16

NSPEC IS R AT 17

NSPEC IS R AT 18

NSPEC IS R AT 19

NSPEC IS R AT 20

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 12 21 22

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC 10

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

=> s l1

SAMPLE SEARCH INITIATED 14:37:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8889 TO ITERATE

11.2% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 172131 TO 183429
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 14:37:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 179696 TO ITERATE

100.0% PROCESSED 179696 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.04

L3 0 SEA SSS FUL L1

=>

SALES PERSON: 53
CUSTOMER NBR: 035353

ITINERARY
MEQZTW

DATE: 14 SEP 04
PAGE: 01

TO: 4025 CONNECTICUT AVE NW
APT 305
WASHINGTON DC 20008
202-248-1812-H
571-273-0692-F

FOR: ROBINSON/BINTA M

04 OCT 04 - MONDAY

AIR	UNITED AIRLINES	FLT:932	ECONOMY	MULTI MEALS
	LV WASHINGTON DULLES		935P	EQP: BOEING 777
				07HR 55MIN

05 OCT 04 - TUESDAY

	AR FRANKFURT		1130A	NON-STOP
	ARRIVE: TERMINAL 1			REF: ZLS1SC
AIR	UNITED AIRLINES	FLT:8802	ECONOMY	SNACK
	FRANKFURT-ROME FIUMICINO OPERATED BY LUFTHANSA			
	LV FRANKFURT		230P	EQP: AIRBUS A321
	DEPART: TERMINAL 1			01HR 35MIN
	AR ROME FIUMICINO		405P	NON-STOP
	ARRIVE: TERMINAL B DOM-SCHENGEN			REF: ZLS1SC

17 OCT 04 - SUNDAY

AIR	LUFTHANSA	FLT:3853	ECONOMY	REFRSHMNT/COMP
	LV ROME FIUMICINO		705A	EQP: AIRBUS A321-200
	DEPART: TERMINAL B DOM-SCHENGEN			02HR 00MIN
	AR FRANKFURT		905A	NON-STOP
	ARRIVE: TERMINAL 1			REF: 2MZ6N4
AIR	LUFTHANSA	FLT:418	ECONOMY	MEALS
	LV FRANKFURT		120P	EQP: BOEING 747
	DEPART: TERMINAL 1			08HR 30MIN
	AR WASHINGTON DULLES		350P	NON-STOP
				REF: 2MZ6N4

CONTINUED ON PAGE 2

SALES PERSON: 53
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DOMESTICK NET FARES/FI AND AT ARE TOTALLY NONREFUNDABLE
FOR DL/AF/LX/CO AND AC THE REFUND PENALTY WILL APPLY
WITHOUT EXCEPTION. BA TICKETS BOOKED IN Q CLASS ARE
TOTALLY NONREFUNDABLE AND NONCHANGEABLE.

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THE RESERVATION IS CANCELLED. PARTIALLY USED TICKETS
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ARE SUBJECT TO 25USD PENALTY. ALL FULLY REFUNDABLE
TICKETS ARE SUBJECT TO 50USD PROCESSING FEE.

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	ENTRY	SESSION
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	ENTRY	SESSION
FULL ESTIMATED COST	0.84	1.05

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.84	1.05

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=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	1.47

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FILE COVERS 1907 - 14 Sep 2004 VOL 141 ISS 12
 FILE LAST UPDATED: 13 Sep 2004 (20040913/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 5-hydroxytryptamine {} modulat?

5695465 5
 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5(W)HYDROXYTRYPTAMINE)
 294348 MODULAT?

L1 13 5-HYDROXYTRYPTAMINE (W) MODULAT?

=> s 11 and memory {} disorder?

101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)
 379937 DISORDER?

L2 0 L1 AND MEMORY (W) DISORDER?

=> s 1.1 and memory

101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)

L3 0 L1 AND MEMORY

=> s 5-hydroxytryptamine {} ligand?

5695465 5
 18916 HYDROXYTRYPTAMINE
 69 HYDROXYTRYPTAMINES
 18939 HYDROXYTRYPTAMINE
 (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
 18103 5-HYDROXYTRYPTAMINE
 (5(W)HYDROXYTRYPTAMINE)
 362282 LIGAND?
 L4 2 5-HYDROXYTRYPTAMINE (W) LIGAND?

=> s l4 and memory
 101094 MEMORY
 4575 MEMORIES
 102486 MEMORY
 (MEMORY OR MEMORIES)
 L5 0 L4 AND MEMORY

=> s l4 and review/dt
 1757375 REVIEW/DT
 L6 0 L4 AND REVIEW/DT

=> d his

(FILE 'HOME' ENTERED AT 16:20:49 ON 14 SEP 2004)

FILE 'REGISTRY' ENTERED AT 16:21:18 ON 14 SEP 2004

FILE 'REGISTRY' ENTERED AT 16:22:40 ON 14 SEP 2004

FILE 'HCAPLUS' ENTERED AT 16:22:47 ON 14 SEP 2004

L1 13 S 5-HYDROXYTRYPTAMINE () MODULAT?
 L2 0 S L1 AND MEMORY () DISORDER?
 L3 0 S L1 AND MEMORY
 L4 2 S 5-HYDROXYTRYPTAMINE () LIGAND?
 L5 0 S L4 AND MEMORY
 L6 0 S L4 AND REVIEW/DT

=> s l1 and review/dt
 1757375 REVIEW/DT
 L7 1 L1 AND REVIEW/DT

=> d l7, ibib abs, 1

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
Text

Links
References

ACCESSION NUMBER: 1983:83656 HCAPLUS
 DOCUMENT NUMBER: 98:83656
 TITLE: Noradrenaline and 5-hydroxytryptamine modulation
 of brain dopamine function: implications for the
 treatment of Parkinson's disease
 AUTHOR(S): Jenner, P.; Sheehy, M.; Marsden, C. D.
 CORPORATE SOURCE: Med. Sch., King's Coll. Hosp., London, UK
 SOURCE: British Journal of Clinical Pharmacology (1983),
 15(Suppl. 2), 277-89
 CODEN: BCPHBM; ISSN: 0306-5251
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 AB A review and discussion with 68 refs. on the effect of noradrenaline
 [51-41-2] and serotonin [50-67-9] on brain dopamine [51-61-6] function

and the implications of such effects for parkinsonism treatment.

=> d his

(FILE 'HOME' ENTERED AT 16:20:49 ON 14 SEP 2004)

FILE 'REGISTRY' ENTERED AT 16:21:18 ON 14 SEP 2004

FILE 'REGISTRY' ENTERED AT 16:22:40 ON 14 SEP 2004

FILE 'HCAPLUS' ENTERED AT 16:22:47 ON 14 SEP 2004

```
L1      13 S 5-HYDROXYTRYPTAMINE ( ) MODULAT?
L2      0 S L1 AND MEMORY ( ) DISORDER?
L3      0 S L1 AND MEMORY
L4      2 S 5-HYDROXYTRYPTAMINE ( ) LIGAND?
L5      0 S L4 AND MEMORY
L6      0 S L4 AND REVIEW/DT
L7      1 S L1 AND REVIEW/DT
```

=> s 5-hydroxytryptamine () ligand?

```
5695465 5
18916 HYDROXYTRYPTAMINE
69 HYDROXYTRYPTAMINES
18939 HYDROXYTRYPTAMINE
      (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
18103 5-HYDROXYTRYPTAMINE
      (5(W)HYDROXYTRYPTAMINE)
362282 LIGAND?
L8      2 5-HYDROXYTRYPTAMINE (W) LIGAND?
```

=> s l8 and review/dt

```
1757375 REVIEW/DT
L9      0 L8 AND REVIEW/DT
```

=> s 5-hydroxytryptamine () inhibit?

```
5695465 5
18916 HYDROXYTRYPTAMINE
69 HYDROXYTRYPTAMINES
18939 HYDROXYTRYPTAMINE
      (HYDROXYTRYPTAMINE OR HYDROXYTRYPTAMINES)
18103 5-HYDROXYTRYPTAMINE
      (5(W)HYDROXYTRYPTAMINE)
1681399 INHIBIT?
L10     44 5-HYDROXYTRYPTAMINE (W) INHIBIT?
```

=> s l10 and memory () disorder?

```
101094 MEMORY
4575 MEMORIES
102486 MEMORY
      (MEMORY OR MEMORIES)
379937 DISORDER?
483 MEMORY (W) DISORDER?
```

```
L11     0 L10 AND MEMORY (W) DISORDER?
```

=> s l10 and memory

```
101094 MEMORY
4575 MEMORIES
102486 MEMORY
      (MEMORY OR MEMORIES)
```

L12 0 L10 AND MEMORY

=> s l10 and review/dt
1757375 REVIEW/DT

L13 1 L10 AND REVIEW/DT

=> d l13, ibib abs, i

L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Cited References
--------------	---------------------

ACCESSION NUMBER: 1978:99370 HCAPLUS

DOCUMENT NUMBER: 88:99370

TITLE: Histamine and **5-hydroxytryptamine - inhibition**
of transmitter release mediated by H2- and
5-hydroxytryptamine receptors

AUTHOR(S): McGrath, Michael A.; Shepherd, John T.

CORPORATE SOURCE: Dep. Physiol. Biophys., Mayo Clin. and Mayo Found.,
Rochester, MN, USA

SOURCE: Federation Proceedings (1978), 37(2), 195-8
CODEN: FEPRA7; ISSN: 0014-9446

DOCUMENT TYPE: Journal; **General Review**

LANGUAGE: English

AB A review with 36 refs. suggesting that the vasodilatation caused by
histamine [51-45-6] and 5-hydroxytryptamine [50-67-9] may be due, at
least in part, to their inhibitory action on adrenergic neurotransmission.
The mediation of H2- and 5-hydroxytryptamine receptors in this inhibition
is also discussed.

=>